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METHOD OF MANUFACTURING AN ENCLOSED TRANSCEIVER

ABSTRACT

5 The present invention teaches a method of manufacturing
an enclosed transceiver, such as a radio frequency
identification ("RFID") tag. Structurally, in one embodiment,
the tag comprises an integrated circuit (IC) chip, and an RF
antenna mounted on a thin film substrate powered by a thin
film battery. A variety of antenna geometries are compatible
with the above tag construction. These include monopole
antennas, dipole antennas, dual dipole antennas, a combination
10 of dipole and loop antennas. Further, in another embodiment,
the antennas are positioned either within the plane of the
thin film battery or superjacent to the thin film battery.